

Converting Colors

CIELCh(54, 45.730, 78.922)

Have a look what the booklet for
CIELCh(54, 45.730, 78.922) contains.

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Color

CIELCh(54, 45.730, 78.922)

Conversions

Conversions Part 1

Format	Color
Hex	A47A31
RGB	164, 122, 49
RGB Percent	64%, 48%, 19%
CMY	0.3576, 0.5222, 0.8084
CMYK	0.00, 0.26, 0.70, 0.36
HSL	38°, 54%, 42%
HSV	38°, 70%, 64%
XYZ	22.7646, 21.9746, 5.9303
YIQ	126.2360, 48.4650, -13.7990

Conversions

Conversions Part 2

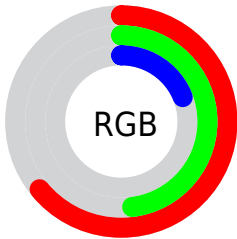
Format	Color
RYB	115, 164, 49
Decimal	10779185
CIELab	54.00, 8.79, 44.88
CIElCh	54, 45.730, 78.922
Yxy	21.9746, 0.4493, 0.4337
Android (android.graphics.Color)	4288969265 (0xFFA47A31)
YUV	126.2360, -38.0773, 33.1190
Hunter-Lab	46.8770, 4.6489, 25.3132

Details

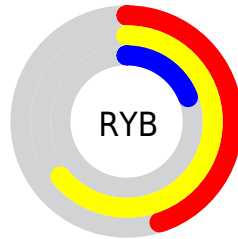
The CIELCh color **54, 45.730, 78.922** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **39, 45.029, 283.598**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 45.644, 78.766**, and **34, 44.012, 78.802** is the 20% darker color. If you saturate the color by 10%, you get **52, 51.523, 77.229**, and if you desaturate by 10%, it is **56, 39.291, 80.458**.

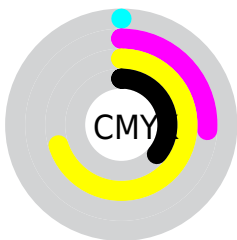
Distribution



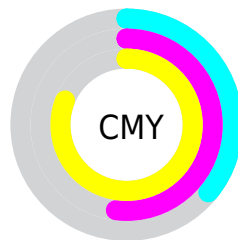
- Red (64%)
- Green (48%)
- Blue (19%)



- Red (45%)
- Yellow (64%)
- Blue (19%)



- Cyan (0%)
- Magenta (26%)
- Yellow (70%)
- Black (36%)



- Cyan (36%)
- Magenta (52%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 45.730, 78.922 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 54, 45.730, 78.922 by changing the saturation by 10% instead.

■ 54, 45.730, 78.922

■ 54, 45.730, 78.922

■ 100, 45.730,
78.922

■ 44, 45.730, 78.922

■ 74, 45.730, 78.922

■ 34, 45.730, 78.922

■ 84, 45.730, 78.922

■ 24, 45.730, 78.922

■ 94, 45.730, 78.922

■ 14, 45.730, 78.922

■ 4, 45.730, 78.922

■ 0, 45.730, 78.922

■ 54, 45.730, 78.922

■ 54, 45.730, 78.922

■ 52, 51.523, 77.229

■ 56, 39.291, 80.458

■ 51, 56.070, 75.223

■ 58, 32.597, 81.903

49, 59.253, 72.958

59, 25.867, 83.294

61, 19.213, 84.644

63, 12.691, 85.954

65, 6.320, 87.212

67, 0.105, 86.308

69, 5.960, 269.707

71, 11.884,
270.827

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



54, 45.730, 78.922



39, 45.029, 283.598

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54, 45.730, 78.922



54, 45.730, 128.922



54, 45.730, 258.922



54, 45.730, 308.922

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



54, 45.730, 78.925



80, 16.450, 85.797



39, 50.312, 2.355



42, 11.151, 85.459



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54, 45.730, 78.925



66, 66.145, 76.196



64, 58.667, 110.679



34, 3.496, 87.324



44, 54.270, 73.296



3, 5.109, 83.322

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39, 45.029, 283.598



45, 68.035, 289.096



29, 71.939, 303.815



32, 3.484, 269.742



26, 59.856, 293.970



2, 5.595, 271.338

Previews

White Background



This preview shows how the CIELCh color 54, 45.730, 78.922 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 54, 45.730, 78.922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

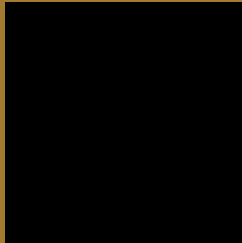
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 45.730, 78.922

Background



This preview shows how black text looks on a background with the CIELCh color 54, 45.730, 78.922.



This preview shows how white text looks on a background with the CIELCh color 54, 45.730, 78.922.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

54, 45.730, 78.922

Protanopia

54, 43.686, 96.111

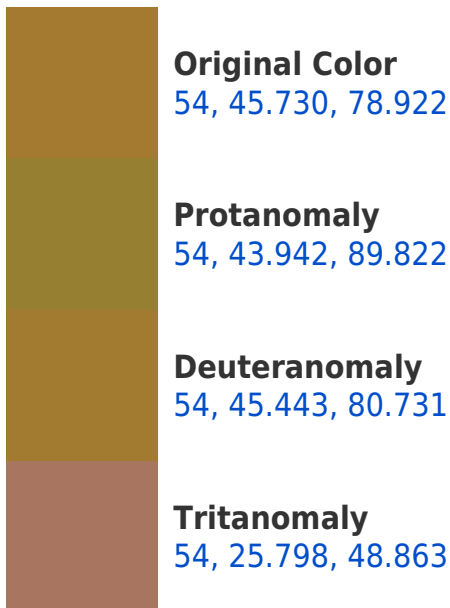
Deuteranopia

54, 45.224, 81.265



Tritanopia
54, 23.335, 9.652

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 45.730, 78.922 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(164, 122, 49)` looks like.

```
.text, #text, p{  
    color:rgb(164, 122, 49)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(164, 122, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 122, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 45.730, 78.922 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 122, 49) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(164, 122, 49) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(164, 122, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 122, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 122, 49);  
box-shadow:4px 4px 4px 4px rgb(164, 122,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 45.730, 78.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 122, 49) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(164,  
122, 49) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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